REMARKS/ARGUMENTS

This Amendment is being filed in response to the Office Action dated January 29, 2009. Reconsideration and allowance of the application in view of the amendments made above and the remarks to follow are respectfully requested.

Claims 1-4 and 7-21 are pending in this application. Claims 5-6 are canceled herein, without prejudice. The Applicants respectfully reserve the right to reintroduce subject matter deleted herein, either at a later time during the prosecution of this application or any continuing applications. Claims 18-21 are added by this amendment. Claims 1, 11 and 19, are independent claims.

By means of the present amendment, the claims are amended including for better conformance to U.S. practice, such as correcting certain informalities noted upon review of the claims. By these amendments, the claims are not amended to address issues of patentability and Applicants respectfully reserve all rights under the Doctrine of Equivalents.

In the Office Action, claims 1-15 are rejected under 35 U.S.C. §103(a) over U.S. Patent No. 6,344,837 to Gelsey ("Gelsey") in view

of U.S. Patent No. 6,154,855 to Norman ("Norman"). Claim 16-17 are rejected under 35 U.S.C. §103(a) over Gelsey in view of Norman in view of U.S. Patent No. 6,363,170 to Seitz ("Seitz"). These rejections are respectfully traversed. It is respectfully submitted that claims 1-21 are allowable over Gelsey in view of Norman alone and in view of Seitz for at least the following reasons.

It undisputed that Gelsey does "does not explicitly disclose all the claimed limitations" of claim 5. (See, Office Action, page 6.)

The Office Action first relies on Norman for teaching communication in a single row. While Norman does show in FIG. 1b, cited in the Office Action, redundancy so that each cell "S" can take over for any one of its nearest neighbor "A" array cells, it is respectfully submitted that this is insufficient to teach, disclose or suggest the recitations of the claims.

It is respectfully submitted that the method of claim 1 is not anticipated or made obvious by the teachings of Gelsey in view of Norman. For example, Gelsey in view of Norman does not disclose or suggest, a method that amongst other patentable elements, comprises

(illustrative emphasis provided) "performing at least one of emitting and transmitting the light by each of the 3-D pixels that is calculated to contribute to the scene point, wherein the contribution of light of a 3-D pixel to a certain 3-D scene point is calculated within one 3-D pixel of a row or column prior to the provision of the 3-D scene points from the one 3-D pixel to remaining 3-D pixels of the row or column, respectively such that one of the pixels of the row or column acts as a master pixel for the row or column, while other pixels of the row or column act as slave pixels" as recited in claim 1, and as substantially recited in claim 11.

Gelsey is admitted to be lacking that which is recited in the claim and Norman merely shows nearest neighbor redundant processing, and as such, does nothing to cure the deficiencies in Gelsey.

It further is respectfully submitted that the method of claim 19 is not anticipated or made obvious by the teachings of Gelsey in view of Norman. For example, Gelsey in view of Norman does not disclose or suggest, a method that amongst other patentable elements, comprises (illustrative emphasis provided) "wherein a 3-D

pixel alters the co-ordinates of a 3-D scene point prior to putting out the altered 3-D scene point from the 3-D pixel to at least one neighboring 3-D pixel and wherein for each 3-D pixel that receives an altered 3-D scene point, the act of calculating comprises an act of calculating the contribution of light from the 3-D pixel based on the altered 3-D scene point" as recited in claim 19. While the Office Action alleges that Norman shows how the output of one cell may become the input of an adjacent or neighboring cell, it is respectfully submitted that all Norman shows is redundancy in processing such that a cell may cover for a malfunctioning neighboring cell. Clearly in Norman since the neighboring cell is malfunctioning in a case wherein it is provided data (e.g., altered 3-D scene point), the redundancy of neighboring cells of Norman could not be said to teach, disclose or suggest calculating the contribution of light from the 3-D pixel based on the received altered 3-D scene point. Clearly in Norman, the cell that receives the data is malfunctioning and therefore Norman clearly could not be said to suggest that the malfunctioning cell perform a calculation based on the received data.

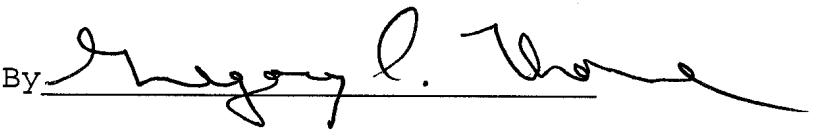
Seitz is cited for allegedly showing elements of dependent claims and as such, does not cure the deficiencies in each of Gelsey and Norman.

Based on the foregoing, the Applicants respectfully submit that independent claims 1, 11 and 19 are patentable over Gelsey in view of Norman alone and in view of Seitz and notice to this effect is earnestly solicited. Claims 2-10, 12-17 and 20-21 respectively depend from one of claims 1, 11 and 19 and accordingly are allowable for at least this reason as well as for the separately patentable elements contained in each of said claims. Accordingly, separate consideration of each of the dependent claims is respectfully requested.

In addition, Applicants deny any statement, position or averment of the Examiner that is not specifically addressed by the foregoing argument and response. Any rejections and/or points of argument not addressed would appear to be moot in view of the presented remarks. However, the Applicants reserve the right to submit further arguments in support of the above stated position, should that become necessary. No arguments are waived and none of the Examiner's statements are conceded.

Applicants have made a diligent and sincere effort to place this application in condition for immediate allowance and notice to this effect is earnestly solicited.

Respectfully submitted,

By 

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